

ABSTRACT OF THE DISCLOSURE

A rotary electric machine for a vehicle has a stator having a stator winding. The stator winding is made of a plurality of segments. The segments are partly accommodated in a plurality of slots and are arranged to form coil ends groups on both axial sides. The segments are insulated from the stator core by a sheet shaped insulator inserted only along an inner surface of the slot. The segments have bare segments having no insulating layer and covered segments having insulating layer thereon. The bare segments are arranged to surround the covered segments so that the bare segments are not adjacent to the other bare segments in the slots and the coil ends groups.